




**COMPENSATION FOR RAMAN EFFECT BY PUMPING IN WAVELENGTH  
DIVISION MULTIPLEXING TRANSMISSION SYSTEM**

**Patent number:** CA2309789  
**Publication date:** 2000-12-10  
**Inventor:** HAMAIDE JEAN-PIERRE (FR); GAUCHARD  
STEPHANE (FR); BIGO SEBASTIEN (FR)  
**Applicant:** CIT ALCATEL (FR)  
**Classification:**  
- **international:** **H04B10/18; H04B10/18;** (IPC1-7): H04B10/18;  
H04J14/02  
- **european:** H04B10/18C  
**Application number:** CA20002309789 20000526  
**Priority number(s):** FR19990007324 19990610

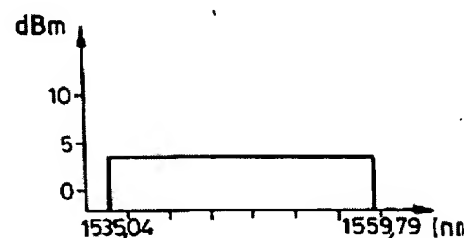
**Also published as:**

 EP1059747 (A1)  
 JP2001027770 (A)  
 FR2796783 (A1)

[Report a data error here](#)

Abstract not available for CA2309789  
Abstract of corresponding document: **EP1059747**

Short wavelength pump signals about 15 THz higher in frequency than the wavelength multiplexed signals in the guide are injected in either direction into the guide. This corrects the Raman resonance induced gain slope (4), by making use of the effect that Raman slope depends only on total power injected.

**FIG\_2**

Data supplied from the **esp@cenet** database - Worldwide